

Frederic Petroff

List of Publications by Year in descending order

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178
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16,647
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47006

47
h-index

14759

127
g-index

183
all docs

183
docs citations

183
times ranked

11516
citing authors

#	ARTICLE	IF	CITATIONS
1	Giant Magnetoresistance of (001)Fe/(001)Cr Magnetic Superlattices. Physical Review Letters, 1988, 61, 2472-2475.	7.8	8,315
2	Oscillatory interlayer coupling and giant magnetoresistance in Co/Cu multilayers. Journal of Magnetism and Magnetic Materials, 1991, 94, L1-L5.	2.3	633
3	Unravelling the role of the interface for spin injection into organic semiconductors. Nature Physics, 2010, 6, 615-620.	16.7	559
4	Highly efficient spin transport in epitaxial graphene on SiC. Nature Physics, 2012, 8, 557-561.	16.7	392
5	Evidence for Room-Temperature Multiferroicity in a Compound with a Giant Axial Ratio. Physical Review Letters, 2009, 102, 217603.	7.8	331
6	Large magnetoresistance in Fe/MgO/FeCo(001) epitaxial tunnel junctions on GaAs(001). Applied Physics Letters, 2001, 79, 1655-1657.	3.3	229
7	Magnetic and transport properties of Fe/Cr superlattices (invited). Journal of Applied Physics, 1990, 67, 5908-5913.	2.5	210
8	Oscillatory interlayer exchange and magnetoresistance in Fe/Cu multilayers. Physical Review B, 1991, 44, 5355-5357.	3.2	203
9	Spin-dependent tunneling with Coulomb blockade. Physical Review B, 1997, 56, R5747-R5750.	3.2	190
10	Large magnetoresistance in tunnel junctions with an iron oxide electrode. Applied Physics Letters, 1999, 74, 4017-4019.	3.3	189
11	Room temperature spin filtering in epitaxial cobalt-ferrite tunnel barriers. Applied Physics Letters, 2007, 91, .	3.3	184
12	Enhancement of the magnetic anisotropy of nanometer-sized Co clusters: Influence of the surface and of interparticle interactions. Physical Review B, 2002, 65, .	3.2	168
13	Magnetoresistance of Fe/Cr superlattices. Journal of Magnetism and Magnetic Materials, 1991, 93, 95-100.	2.3	158
14	Layered magnetic structures: interlayer exchange coupling and giant magnetoresistance. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1-8.	2.3	154
15	Shaped angular dependence of the spin-transfer torque and microwave generation without magnetic field. Nature Physics, 2007, 3, 492-497.	16.7	147
16	Structure and magnetism of Pd in Pd/Fe multilayers studied by x-ray magnetic circular dichroism at the PdL _{2,3} edges. Physical Review B, 1997, 55, 3663-3669.	3.2	129
17	Inverse spin-valve-type magnetoresistance in spin engineered multilayered structures. Physical Review Letters, 1994, 72, 408-411.	7.8	125
18	Magnetic tunnel junctions with monolayer hexagonal boron nitride tunnel barriers. Applied Physics Letters, 2016, 108, .	3.3	118

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19	Magnetic Relaxation of Interacting Co Clusters: Crossover from Two- to Three-Dimensional Lattices. Physical Review Letters, 2002, 88, 217205.	7.8	111
20	Magnetoresistance in magnetic tunnel junctions grown on flexible organic substrates. Applied Physics Letters, 2010, 96, .	3.3	109
21	Sub-nanometer Atomic Layer Deposition for Spintronics in Magnetic Tunnel Junctions Based on Graphene Spin-Filtering Membranes. ACS Nano, 2014, 8, 7890-7895.	14.6	109
22	Magnetocrystalline anisotropy in (111)CoPt ₃ thin films probed by x-ray magnetic circular dichroism. Physical Review B, 1998, 58, 6298-6304.	3.2	100
23	Evidence for spin injection in a single metallic nanoparticle: A step towards nanospintronics. Applied Physics Letters, 2006, 89, 062502.	3.3	92
24	Enhanced tunnel magnetoresistance at high bias voltage in double-barrier planar junctions. Applied Physics Letters, 1998, 73, 2829-2831.	3.3	91
25	Nanospintronics: when spintronics meets single electron physics. Journal of Physics Condensed Matter, 2007, 19, 165222.	1.8	88
26	Insulator-to-Metallic Spin-Filtering in 2D-Magnetic Tunnel Junctions Based on Hexagonal Boron Nitride. ACS Nano, 2018, 12, 4712-4718.	14.6	88
27	Are Al ₂ O ₃ and MgO tunnel barriers suitable for spin injection in graphene?. Applied Physics Letters, 2010, 97, .	3.3	82
28	Structural and magnetic properties of Fe/C ₁ x nanocomposite thin films. Journal of Applied Physics, 2000, 87, 3432-3443.	2.5	78
29	Experimental evidence of the ferrimagnetic ground state of Sr ₂ FeMoO ₆ probed by X-ray magnetic circular dichroism. Europhysics Letters, 2002, 60, 608-614.	2.0	77
30	Evidence for a self-organized growth in granular Co/Al ₂ O ₃ multilayers. Applied Physics Letters, 2000, 76, 2892-2894.	3.3	76
31	Element-Selective Nanosecond Magnetization Dynamics in Magnetic Heterostructures. Physical Review Letters, 2001, 86, 3646-3649.	7.8	76
32	Magnetoresistance and spin electronics. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 68-76.	2.3	74
33	Tuning the magnetic anisotropy of Co nanoparticles by metal capping. Europhysics Letters, 2006, 76, 142-148.	2.0	74
34	Spinterface: Crafting spintronics at the molecular scale. MRS Bulletin, 2014, 39, 602-607.	3.5	74
35	Anisotropic magneto-Coulomb effects and magnetic single-electron-transistor action in a single nanoparticle. Nature Physics, 2009, 5, 920-924.	16.7	69
36	Magnetoresistance of NiMnSb-based multilayers and spin valves. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1998, 16, 1801-1805.	2.1	68

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37	2D-MTJs: introducing 2D materials in magnetic tunnel junctions. Journal Physics D: Applied Physics, 2017, 50, 203002.	2.8	68
38	Protecting nickel with graphene spin-filtering membranes: A single layer is enough. Applied Physics Letters, 2015, 107, .	3.3	65
39	Magnetism of (Zn,Co)O thin films probed by x-ray absorption spectroscopies. Applied Physics Letters, 2008, 92, 012509.	3.3	60
40	Angular dependence of the tunnel magnetoresistance in transition-metal-based junctions. Physical Review B, 2001, 64, .	3.2	58
41	Suppression of the critical thickness threshold for conductivity at the LaAlO ₃ /SrTiO ₃ interface. Nature Communications, 2014, 5, 4291.	12.8	57
42	Magnetic polarization of noble metals by Co nanoparticles in M -capped granular multilayers (T_j ETQq0 0 0 rgBT /Overlock 10 Tf 50 54)	3.2	56
43	Field sensing using the magnetoresistance of IrMn exchange-biased tunnel junctions. Journal of Applied Physics, 2002, 91, 4655-4658.	2.5	55
44	Unidirectional Spin-Dependent Molecule-Ferromagnet Hybridized States Anisotropy in Cobalt Phthalocyanine Based Magnetic Tunnel Junctions. Physical Review Letters, 2015, 114, 206603.	7.8	53
45	Spin-Polarized Inelastic Tunneling through Insulating Barriers. Physical Review Letters, 2009, 102, 176801.	7.8	50
46	Growth of Au Clusters on Amorphous Al ₂ O ₃ : Evidence of Cluster Mobility above a Critical Size. Physical Review Letters, 2001, 86, 4600-4603.	7.8	49
47	Magnetic multilayers: oscillatory interlayer exchange and giant magnetoresistance. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 1712-1716.	2.3	48
48	Effects of a thin Mg layer on the structural and magnetoresistance properties of CoFeB/MgO/CoFeB magnetic tunnel junctions. Applied Physics Letters, 2007, 91, 222504.	3.3	47
49	Magnetism of the Fe/ZnSe(001) Interface. Physical Review Letters, 2002, 88, 217202.	7.8	46
50	Deposition of high-quality NiMnSb magnetic thin films at moderate temperatures. Journal of Applied Physics, 1997, 81, 2740-2744.	2.5	45
51	Exchange bias through a Cu interlayer in an IrMn/Co system. Physical Review B, 2007, 75, .	3.2	44
52	Epitaxial growth and ferrimagnetic behavior of MnFe ₂ O ₄	3.2	44
53	Band-Structure Spin-Filtering in Vertical Spin Valves Based on Chemical Vapor Deposited WS ₂ . ACS Nano, 2019, 13, 14468-14476.	14.6	44
54	Molecular spintronics: the role of spin-dependent hybridization. Journal Physics D: Applied Physics, 2018, 51, 473001.	2.8	43

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55	Effect of deposition parameters on the CPP-GMR of NiMnSb-based spin-valve structures. Journal of Magnetism and Magnetic Materials, 1999, 198-199, 55-57.	2.3	42
56	Growth of Au clusters on amorphous Al ₂ O ₃ : are small clusters more mobile than atoms?. Surface Science, 2002, 504, 75-82.	1.9	41
57	Magnetoresistance of ferromagnetic tunnel junctions with Al ₂ O ₃ barriers formed by rf sputter etching in Ar/O ₂ plasma. Applied Physics Letters, 1998, 73, 698-700.	3.3	39
58	Nanomagnetism of cobalt ferrite-based spin filters probed by spin-polarized tunneling. Applied Physics Letters, 2012, 101, 042409.	3.3	39
59	Magnetoresistance of Co-Based multilayered structures. Journal of Magnetism and Magnetic Materials, 1991, 93, 480-484.	2.3	38
60	Point-contact electrodes to probe charging effects in individual ultrasmall cobalt clusters. Applied Physics Letters, 1998, 72, 386-388.	3.3	38
61	Unveiling Self-Assembled Monolayers' Potential for Molecular Spintronics: Spin Transport at High Voltage. Advanced Materials, 2012, 24, 6429-6432.	21.0	37
62	Spin filtering by proximity effects at hybridized interfaces in spin-valves with 2D graphene barriers. Nature Communications, 2020, 11, 5670.	12.8	37
63	Clusters obtained by sputter deposition of cobalt atoms on alumina. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1999, 79, 2921-2934.	0.6	36
64	Phthalocyanine based molecular spintronic devices. Dalton Transactions, 2016, 45, 16694-16699.	3.3	36
65	Restoration of bulk magnetic properties by strain engineering in epitaxial CoFe ₂ O ₄ (001) ultrathin films. Applied Physics Letters, 2011, 99, .	3.3	35
66	Stabilizing ultra-thin black phosphorus with <i>in-situ</i> -grown 1-nm-Al ₂ O ₃ barrier. Applied Physics Letters, 2017, 111, .	3.3	35
67	Structural characterization of Fe/Cu multilayers by x-ray absorption spectroscopy. Physical Review B, 1992, 46, 1253-1256.	3.2	34
68	Review of recent results on spin polarized tunneling and magnetic switching by spin injection. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2001, 84, 1-9.	3.5	34
69	Switching-mode-dependent magnetic interlayer coupling strength in spin valves and magnetic tunnel junctions. Physical Review B, 2004, 69, .	3.2	33
70	High Domain Wall Velocity at Zero Magnetic Field Induced by Low Current Densities in Spin Valve Nanostripes. Applied Physics Express, 0, 2, 023003.	2.4	32
71	Self-Assembled Monolayer-Functionalized Half-Metallic Manganite for Molecular Spintronics. ACS Nano, 2012, 6, 8753-8757.	14.6	32
72	Molecular beam epitaxial growth of Cr/Fe, Ag/Fe, Ag/Cr and Ag/Co superlattices on MgO (001) substrates. Journal of Crystal Growth, 1991, 111, 1003-1010.	1.5	31

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73	Angular dependence of the giant magnetoresistance effect. <i>Physical Review B</i> , 1995, 51, 292-296.	3.2	30
74	Morphological study of cobalt aggregates in magnetic multilayers by grazing-incidence small-angle X-ray scattering. <i>Thin Solid Films</i> , 1998, 319, 81-83.	1.8	30
75	Investigating magnetic proximity effects at ferrite/Pt interfaces. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	28
76	Chapter 1 Giant magnetoresistance in magnetic multilayers. <i>Handbook of Magnetic Materials</i> , 1999, 12, 1-96.	0.6	27
77	Crystalline $\hat{1}^3$ -Al ₂ O ₃ barrier for magnetite-based magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2005, 86, 012509.	3.3	27
78	Temperature and voltage dependence of the resistance and magnetoresistance in discontinuous double tunnel junctions. <i>Physical Review B</i> , 2002, 65, .	3.2	26
79	Depth analysis of boron diffusion in MgO/CoFeB bilayer by x-ray photoelectron spectroscopy. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	26
80	A comparative study of the molecular beam epitaxial growth of Ag/Fe, Ag/Cr, and Fe/Cr superlattices on GaAs (001). <i>Journal of Applied Physics</i> , 1990, 67, 5400-5402.	2.5	25
81	Homogeneous pinhole free 1 nm Al ₂ O ₃ tunnel barriers on graphene. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	25
82	Structural and magnetic properties of granular Co-Pt multilayers with perpendicular magnetic anisotropy. <i>Physical Review B</i> , 2014, 90, .	3.2	23
83	Palladium magnetism in Pd/Fe multilayers studied by XMCD at the PdL _{2,3} edges. <i>Journal of Magnetism and Magnetic Materials</i> , 1997, 165, 96-99.	2.3	22
84	Structure of cobalt cluster films obtained by sputter deposition on alumina. <i>European Physical Journal D</i> , 1999, 9, 517-521.	1.3	22
85	Influence of domain wall interactions on nanosecond switching in magnetic tunnel junctions. <i>Physical Review B</i> , 2005, 72, .	3.2	22
86	Negative rotatable anisotropy in IrMn/Cr/Co thin films. <i>Physical Review B</i> , 2012, 85, .	3.2	21
87	Reduced magnetic moment per atom in small Ni and Co clusters embedded in AlN. <i>Journal of Applied Physics</i> , 2001, 90, 6367-6373.	2.5	20
88	Enhancement of the magnetic anisotropy of Co clusters by Au capping. <i>Journal of Applied Physics</i> , 2006, 99, 08G705.	2.5	20
89	Effects of thermal annealing on C/FePt granular multilayers: <i>in situ</i> and <i>ex situ</i> studies. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 035218.	1.8	20
90	Magnetic properties of Co nanoparticle granular films capped with Pt. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 316, e9-e12.	2.3	19

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91	Time and layer resolved magnetic domain imaging of FeNi/Cu/Co trilayers using x-ray photoelectron emission microscopy (invited). Journal of Applied Physics, 2004, 95, 6533-6536.	2.5	18
92	Giant magnetoresistance in magnetic nanostructures. Recent developments. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1995, 31, 1-9.	3.5	17
93	Copper spacer thickness dependence of the exchange bias in IrMn/Cu/Co ultrathin films. Journal of Magnetism and Magnetic Materials, 2007, 316, e97-e100.	2.3	17
94	Microwave excitations associated with a wavy angular dependence of the spin transfer torque: Model and experiments. Physical Review B, 2008, 77, .	3.2	17
95	Nanostructure and magnetic properties of BN-encapsulated Fe(B) and Fe ₂ N nanoparticles prepared by dual ion-beam sputtering. Applied Physics Letters, 2003, 82, 3056-3058.	3.3	16
96	On the spin polarization at the interface probed by spin-resolved photoemission and spin-dependent tunneling. Journal of Magnetism and Magnetic Materials, 2007, 316, e963-e965.	2.3	16
97	Evidence for a high-spin Fe phase in Fe/Pd(001) multilayers. Europhysics Letters, 2000, 49, 807-813.	2.0	15
98	Structural and magnetic properties of Co/AlN multilayers. Journal of Applied Physics, 2001, 89, 6329-6335.	2.5	14
99	Absence of induced moment in magnetic tunnel junction barriers. Physical Review B, 2006, 73, .	3.2	14
100	Negative spin polarization of the Fe ₃ O ₄ /Al ₂ O ₃ interface measured by spin-resolved photoemission. Physical Review B, 2006, 73, .	3.2	14
101	Giant magnetoresistance in hybrid nanostructures. Journal of Magnetism and Magnetic Materials, 1995, 151, 324-332.	2.3	13
102	TEM observations of nanometer thick cobalt deposits in alumina sandwiches. Thin Solid Films, 1998, 319, 120-123.	1.8	13
103	Abrupt suppression of the exchange bias across a non-magnetic insulator spacer. Journal of Applied Physics, 2011, 110, .	2.5	13
104	Perpendicular magnetic anisotropy in granular multilayers of CoPd alloyed nanoparticles. Physical Review B, 2016, 93, .	3.2	13
105	Atomic layer deposition of a MgO barrier for a passivated black phosphorus spintronics platform. Applied Physics Letters, 2019, 114, .	3.3	13
106	Giant magnetoresistance in magnetic nanostructures. Scripta Materialia, 1995, 6, 217-226.	0.5	12
107	Role of the uncompensated interface spins in polycrystalline exchange-biased systems. Journal Physics D: Applied Physics, 2011, 44, 095002.	2.8	12
108	Magnetic and magneto-optical properties of NiMnSb thin films. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 1229-1230.	2.3	11

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109	Tunnel magnetoimpedance in cobalt discontinuous films. Journal of Magnetism and Magnetic Materials, 1999, 205, 170-176.	2.3	11
110	Magneto-resistive tunnel junctions deposited on laterally modulated substrates. Applied Physics Letters, 2000, 76, 3286-3288.	3.3	11
111	Antiferromagnetic hysteresis in magneto-resistive multilayers investigated by x-ray resonant scattering. Applied Physics Letters, 2002, 81, 3425-3427.	3.3	11
112	Magnetic characterization of granular Co/Al ₂ O ₃ multilayers. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 575-577.	2.3	11
113	Structural study of the Al/Ni interface in ultrathin polycrystalline multilayers. Journal of Applied Physics, 2003, 93, 5937-5944.	2.5	11
114	Magnetic relaxation of Co nanoclusters in a bias magnetic field. Journal of Physics Condensed Matter, 2004, 16, 5109-5117.	1.8	11
115	Spin Transfer Torque: a new method to excite or reverse a magnetization. Comptes Rendus Physique, 2005, 6, 956-965.	0.9	11
116	Zero-temperature spin-glass freezing in self-organized arrays of Co nanoparticles. Europhysics Letters, 2010, 89, 67011.	2.0	11
117	Very Long Term Stabilization of a 2D Magnet down to the Monolayer for Device Integration. ACS Applied Electronic Materials, 2020, 2, 3508-3514.	4.3	11
118	On the use of exchange biased top electrodes in magnetic tunnel junctions. Journal of Magnetism and Magnetic Materials, 2004, 270, 403-406.	2.3	10
119	Layer-resolved imaging of domain wall interactions in magnetic tunnel junction-like trilayers. Journal of Physics Condensed Matter, 2007, 19, 476204.	1.8	10
120	Influence of alkylphosphonic acid grafting on the electronic and magnetic properties of La _{2/3} Sr _{1/3} MnO ₃ surfaces. Applied Surface Science, 2015, 353, 24-28.	6.1	10
121	Is spin transport through molecules really occurring in organic spin valves? A combined magneto-resistance and inelastic electron tunnelling spectroscopy study. Applied Physics Letters, 2015, 106, 082408.	3.3	10
122	Magneto-optical properties of sputter-deposited NiMnSb thin films. Applied Physics Letters, 1997, 71, 2382-2384.	3.3	9
123	Magnetocrystalline anisotropy in (111) CoPt ₃ thin film with growth-induced chemical anisotropy investigated by x-ray magnetic circular dichroism. Journal of Applied Physics, 1998, 83, 6617-6619.	2.5	9
124	Recovering ferromagnetic metal surfaces to fully exploit chemistry in molecular spintronics. AIP Advances, 2015, 5, .	1.3	9
125	Giant magneto-resistance in hybrid magnetic nanostructures. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 495-496.	2.3	8
126	Competitive effects of dipolar interactions and a bias magnetic field on the magnetic relaxation times of Co clusters. Journal of Applied Physics, 2003, 93, 7032-7034.	2.5	8

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127	Interplay between magnetic anisotropy and interlayer coupling in nanosecond magnetization reversal of spin-valve trilayers. <i>Physical Review B</i> , 2005, 71, .	3.2	8
128	Influence of topography and Co domain walls on the magnetization reversal of the FeNi layer in FeNi/Al ₂ O ₃ /Co magnetic tunnel junctions. <i>Physical Review B</i> , 2006, 74, .	3.2	8
129	Chapter 6 Spin transport in magnetic multilayers and tunnel junctions. <i>Contemporary Concepts of Condensed Matter Science</i> , 2006, , 153-225.	0.5	8
130	Effect of optical lithography patterning on the crystalline structure of tunnel junctions. <i>Applied Physics Letters</i> , 2007, 91, 241917.	3.3	8
131	Engineering double-shifted hysteresis loops in Co/IrMn/Cu/Co films. <i>Applied Physics Letters</i> , 2009, 95, 112501.	3.3	8
132	Breakdown of Hund's third rule in amorphous Co-W nanoparticles and crystalline Co ₃ W alloys. <i>Physical Review B</i> , 2012, 86, .	3.2	8
133	Structural and magnetic properties of granular CoPd multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 400, 248-252.	2.3	8
134	Study of the magnetic order in a Co/Cr multilayer by magnetic Bragg diffraction at the Co 2p resonance. <i>Journal of Magnetism and Magnetic Materials</i> , 2000, 218, 137-143.	2.3	7
135	Development of a magnetic tunnel transistor based on a double tunnel junction. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 290-291, 1097-1099.	2.3	7
136	Magnetic polarization of copper in Cu-capped Co clusters. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 316, e23-e26.	2.3	7
137	Current-induced resonant depinning of a transverse magnetic domain wall in a spin valve nanostrip. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	7
138	Structural and magnetic properties of amorphous Co-W alloyed nanoparticles. <i>Physical Review B</i> , 2011, 84, .	3.2	7
139	Structural and Magnetoresistance Properties of Co/Cu Multilayers Doped with Fe. <i>Materials Research Society Symposia Proceedings</i> , 1993, 313, 737.	0.1	6
140	Hot-electron transport in 3-terminal devices based on magnetic tunnel junctions. <i>Europhysics Letters</i> , 2002, 60, 896-902.	2.0	6
141	Angular dependence of the exchange bias and coercivity of IrMn/Co bilayers. <i>Physica B: Condensed Matter</i> , 2006, 384, 141-143.	2.7	6
142	The 2007 Nobel Prize in Physics: Albert Fert and Peter GrÅ¼nberg. , 2009, , 147-157.		6
143	Anisotropic magneto-Coulomb effect versus spin accumulation in a ferromagnetic single-electron device. <i>Physical Review B</i> , 2011, 84, .	3.2	6
144	Clusters obtained by sputter deposition of cobalt atoms on alumina. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 1999, 79, 2921-2934.	0.6	5

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145	Luiset al.Reply:. Physical Review Letters, 2003, 90, .	7.8	5
146	Resonant diffuse X-ray scattering from magnetic multilayers. Physica B: Condensed Matter, 2004, 345, 153-156.	2.7	5
147	XMCD study of the anisotropy of nanometric Co clusters in insulating and metallic matrices. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1275-E1276.	2.3	5
148	A magnetometry study of Co oxidation in Co/MgO bilayers grown by sputtering. Journal of Applied Physics, 2008, 104, .	2.5	5
149	A versatile nanotechnology to connect individual nano-objects for the fabrication of hybrid single-electron devices. Nanotechnology, 2010, 21, 445201.	2.6	5
150	Tunneling Magnetoresistance in Ferromagnetic Junctions: Bias Dependence. Acta Physica Polonica A, 1998, 93, 387-391.	0.5	5
151	Oscillatory interlayer exchange and giant magnetoresistance in magnetic multilayers. AIP Conference Proceedings, 1996, , .	0.4	4
152	Crystalline structure of oxide-based epitaxial tunnel junctions. European Physical Journal: Special Topics, 2009, 167, 53-58.	2.6	4
153	Perpendicular magnetic anisotropy in Co/Pt granular multilayers. Low Temperature Physics, 2012, 38, 835-838.	0.6	4
154	Self-assembled monolayers based spintronics: from ferromagnetic surface functionalization to spin-dependent transport. Journal of Physics Condensed Matter, 2016, 28, 094010.	1.8	4
155	Magnetic Proximity Effect Free Spin Hall Magnetoresistance in YIG/Pd. Spin, 2017, 07, 1740005.	1.3	4
156	Fabrication of micro-sensors integrated with single nanometer magnetic particles: Detection of the reversal of the magnetization. Microelectronic Engineering, 1996, 30, 483-486.	2.4	3
157	Low-Temperature Growth of NiMnSb Heusler Alloy Thin Films. Materials Research Society Symposia Proceedings, 1997, 475, 15.	0.1	3
158	Structural and magnetic properties of Co-doped (La,Sr)TiO ₃ epitaxial thin films probed using x-ray magnetic circular dichroism. Journal of Physics Condensed Matter, 2009, 21, 406001.	1.8	3
159	Spin-Dependent Hybridization Phenomena in Organic and Molecular Spintronics Devices. Materials and Energy, 2018, , 63-92.	0.1	3
160	A ferromagnetic spin source grown by atomic layer deposition. Applied Physics Letters, 2022, 120, .	3.3	3
161	Local Hall probe magnetometry: application to magnetic multilayers. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 1811-1812.	2.3	2
162	Structural and Magnetotransport Properties of NiMnSb/Cu and NiMnSb/Ag Multilayers. Materials Research Society Symposia Proceedings, 1997, 475, 175.	0.1	2

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163	Current-driven differential resistance phase diagram in nanopillars of NiFe/Cu/NiFe. Physica B: Condensed Matter, 2006, 384, 33-35.	2.7	2
164	Anisotropy Enhancement in Co Granular Multilayers by Capping. Materials Science Forum, 2008, 570, 1-9.	0.3	2
165	Morphology and magnetic properties of W-capped Co nanoparticles. Journal of Applied Physics, 2010, 107, 09B508.	2.5	2
166	Structure of cobalt cluster films obtained by sputter deposition on alumina. , 1999, , 517-521.		2
167	Structure cristallographique de multicouches magnétiques et magnétiques étudiées par spectroscopie d'absorption X. European Physical Journal Special Topics, 1992, 02, C3-185-C3-189.	0.2	2
168	A new multilayer system:. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 611-612.	2.3	1
169	Magnétorésistance géante dans les nanostructures magnétiques. European Physical Journal Special Topics, 1997, 07, C6-151-C6-161.	0.2	1
170	Spin-dependent tunneling in granular magnetic tunnel junctions. Journal of Magnetism and Magnetic Materials, 1997, 175, 33.	2.3	1
171	Interfacial structure and giant magnetoresistance in Fe/Cr superlattices. European Physical Journal Special Topics, 1994, 04, C9-121-C9-125.	0.2	1
172	MAGNETIC DYNAMICS OF CO NANOSPHERES: ORIGIN OF THE ENHANCED ANISOTROPY. , 2006, , 1-25.		1
173	Two Dimensional Magnetic Properties of PdFe Layers. Materials Research Society Symposia Proceedings, 1995, 384, 259.	0.1	0
174	Structure and Magnetism of Pd in Pd/Fe Multilayers Studied by XMCD at the Pd L _{2,3} Edges. European Physical Journal Special Topics, 1997, 7, C2-401-C2-403.	0.2	0
175	Spintronics with Small Molecules. , 2016, , .		0
176	Simple and advanced ferromagnet/molecule spinterfaces. , 2016, , .		0
177	From ensemble average to single (nano-) objects properties by X-ray microdiffraction: a short review on structure determination (local strain, composition, ...) and objects manipulation (AFM-coupled). Revue De Metallurgie, 2010, 107, 433-439.	0.3	0
178	Étude morphologique d'agrégats inclus dans des couches minces superficielles par diffusion centrale des rayons X en incidence rasante. European Physical Journal Special Topics, 1998, 08, Pr5-295-Pr5-302.	0.2	0